Docket No. PU4928USw

JAN 2 7 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN R Application of Pankaj AGARWAL et al.

erial No.: 10/562,096

Filing Date: December 21, 2005

For: Biological Data Set Comparison Method

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicants request that the references identified on Form PTO-1449 appended hereto be considered by the Examiner and officially made of record in accordance with the provisions of 37 CFR 1.97

	[X]	Copies of the references are enclosed
		Copies of the references were submitted in parent application Serial No (37 CFR 1.98(d))
	[]	A copy of the International Search Report which issued on International Application No. is submitted herewith. All of the publications cited in the International Search Report are listed on the attached form PTO-1449 and Applicants understand that copies have been supplied to the U.S. Patent Office by the International Bureau.
A.	[X] . OR	The Information Disclosure Statement submitted herewith is being filed within three months of the filing date of the above application or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits, whichever event occurs last. 37 CFR 1.97(b).
	[]	The Information Disclosure Statement submitted herewith is being filed before the mailing of a first office action after the filing of a Request For Continued Examination under 37 C.F.R. 1.114 (37 C.F.R. 1.97(b)(4)).
B.	[]	The Information Disclosure Statement transmitted herewith is being filed after three months of the filing date of the above application or the date of entry into the national stage as set forth in § 1.491 of an international application or after the mailing date of the first Office Action on the merits, whichever event occurred last, but before the mailing date of either: (1) a final action under § 1.113 or (2) a notice of allowance under § 1.311, whichever occurs first.
Uni	ted St Comr	CERTIFICATE OF MAILING (37 CFR 1.8) certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the ates Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed nissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450. Patty Wilson

Atty. Docket No. PU4928USw

- [] Applicant hereby certifies that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- [] Applicant elects the option to pay the fee set forth in 37 CFR 1.17(p) for submission of an Information Disclosure Statement under § 1.97(c) (\$180.00).
- C. [] The Information Disclosure Statement transmitted herewith is being filed **after** a final action under § 1.113, or a notice of allowance under § 1.311, whichever occurs first, but before the payment of the issue fee. Also enclosed is a copy of the International Search Report which Issued on International Publication No.

In accordance with the requirements of 37 CFR 1.97(d):

- [] Applicant hereby certifies that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement. [or]
- [] Applicant hereby certifies that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to my knowledge after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of this statement; and
- [] The petition fee set forth in § 1.17(i)(1) (\$180.00) is submitted herewith.

[X] Please charge any required fees to Deposit Account No.07-1392.

[] A duplicate copy of this paper is attached.

Respectfully Submitted,

Attorney of Record

Registration No. 37,092

Date: <u>24 Jan. 2004</u> Customer No. 23347

GlaxoSmithKline

Corporate Intellectual Property

5 Moore Drive, P.O. Box 13398

Research Triangle Park, NC 27709-3398

Telephone: (919) 483-1012 Facsimile: (919) 483-7988

FORM PTO	1449	USCLOSURE ST.		SERIAL NO.	 	10/562,09	10/562,096			
INFORMAT	ION	USCLOSURE ST.	ATEMENT	FILING DATE			December 21, 2005			
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U.S. PATENT DOCUMENTS										
Examiner Initials		Patent Number	Issue Date		Name	Class	Subclass	Filing Date If Appropriate		
FOREIGN PATENT DOCUMENTS										
		Document	Publication	,	Country	Class	Subalass	Translation Yes No		
		Number	Date		Country	Class	Subclass			
OTHER DOCUMENTS (Including Author, Title, Journal-Date, Page Number, Etc.)										
1. ALTSCHUL et al., Basic Local Alignment Search Tool, J. Mol. Biol. 215:403-410 (1990).										
	2. AURORA and ROSE, Seeking an acient enzyme in <i>Methanococcus jannaschii</i> using ORF, a program based									
		on predicted secondary structure comparisons, Proc. Natl. Acad. Sci. USA 95:2818-2823 (1998).								
	3.									
	1:256-268 (2001).									
	4.	BOUTON and PEVSNER, DRAGON: Database Referencing of Array Genes Online, Bioinformatics								
		16(11) :1038-1039 (2000).								
	5.	BOUTON and PEVSNER, DRAGON View: information visualization for annotated microarray data,								
	-	Bioinformatics 18(2):323-324 (2002).								
	6.	DEL RIO et al., Mining DNA microarray data using a novel approach based on graph theory, FEBS Letters								
	7.	509:230-234 (2001). HALUSHKA et al., GIST: A web tool for collecting gene information, Physiol Genomics 1:75-81 (1999).								
	8.	HALUSHKA et al., GIST: A web tool for collecting gene information, Physiol Genomics 1:75-81 (1999). HENIKOFF and HENIKOFF, Amino acid substitution matrices from protein blocks, Proc. Natl. Acad. Sci.								
	0.	USA 89:10915-10919 (1992).								
	9.	JENSSEN et al., A literature network of human genes for high-throughput analysis of gene expression,								
		Nature Genetics 28:21-28 (2001).								
	10.	KARLIN and ALTSCHUL, Applications and statistics for multiple high-scoring segments in molecular								
	ļ.	sequences, Proc. Natl. Acad. Sci. USA 90:5873-5877 (1993).								
	11.	KHATRI et al., Profiling Gene Expression Using Onto-Express, Genomics 79(2):266-270 (2002).								
	12.	12. MASYS et al., Use of keyword hierarchies to interpret gene expression patterns, Bioinformatics 17(4):319-								
	326 (2001).									
	 MCGUFFIN and JONES, Targeting Novel Folds for Structural Genomics, PROTEINS: Structure, Function and Genetics 48:44-52 (2002). 									
	14. NELSON et al., A Combinatorial Partitioning Method to Identigy Multilocus Genotypic Partitions that									
İ	Predict Quantitative Trait Variation, Genome Research 11:458-470 (2001).									
	15. PAVLIDIS et al., Learning Gene Functional Classifications from Multiple Data Types, J. of Computational									
	Biology 9(2):401-411 (2002).									
	16. PEARSON, Rapid and Sensitive Sequence Comparison with FASTP and FASTA, Methods in Enzymology									
	183:63-98 (1990).									
	17.	17. PEARSON and LIPMAN, Improved tools for biological sequence comparison, Proc. Natl. Acad. Sci. USA								
-	10	85:2444-2448 (1988).								
	18.	PEREZ-IRATXETA et al., Association of genes to genetically inherited diseases using data mining, Nature								
-	10	Genetics 31:316-319 (2002).								
	17.	PEREZ-IRATXETA et al., Computing Fuzzy Associations for the Analysis of Biological Literature, Biotechniques 32:1380-1385 (2002).								
	20	. RITCHIE et al., Multifactor-Dimensionality Reduction Reveals High-order Interations among Estrogen-								
	20.	Metabolism Genes in Sporadic Breast Cancer, Am. J. Hum. Genet. 69:138-147 (2001).								
	21. TANABE et al., Medminer: An internet Text-Mining Tool for Biomedical Information, with Application to									
		Gene Expresion P								
EXAMINER						DATE	CONSIDERE	D		
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through										
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